

Message

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**From:** JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW [catherine.jerrard@us.af.mil]  
**Sent:** 2/6/2017 5:25:23 PM  
**To:** d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]  
**Subject:** RE: Williams ST12 technical response -Part 1

Thank you, this came through.

Cathy

//SIGNED//  
CATHY JERRARD, P.E., PMP  
AFCEC/CIBW  
706 Hangar Road  
Rome, New York 13441  
315-356-0810, ext. 204 (office)  
315-723-4509 (cell)  
email: catherine.jerrard@us.af.mil

-----Original Message-----

From: d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]  
Sent: Monday, February 06, 2017 12:12 PM  
To: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>  
Subject: RE: Williams ST12 technical response -Part 1

Ok, I just tried to resend part 2 and it bounced back. There is the attached set of comments from Eva on the containment system particle tracking, and she also provided a guidance document and the guidance document may be too big to go through your email server. Here are Evas comments

The guidance document is downloadable:

A Systematic Approach for Evaluation of Capture Zones at Pump and Treat Systems Final Project Report EPA -600-R08-003

<https://nepis.epa.gov/Exe/ZyNET.exe/60000MYO.TXT?ZyActionD=ZyDocument&Client=EPA&Index=2006+Thru+2010&Docs=&Query=&Time=&EndTime=&SearchMethod=1&TocRestrict=n&Toc=&TocEntry=&QField=&QFieldYear=&QFieldMonth=&QFieldDay=&IntQFieldOp=0&ExtQFieldOp=0&XmlQuery=&File=D%3A%5Czyfiles%5CIndex%20Data%5C06thru10%5CTxt%5C00000002%5C60000MYO.txt&User=ANONYMOUS&Password=anonymous&SortMethod=h%7C-&MaximumDocuments=1&FuzzyDegree=0&ImageQuality=r75g8/r75g8/x150y150g16/i425&Display=hpfr&DefSeekPage=x&Se archBack=ZyActionL&Back=ZyActions&BackDesc=Results%20page&MaximumPages=1&ZyEntry=1&SeekPage=x&ZyPURL>

-----Original Message-----

From: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW [mailto:catherine.jerrard@us.af.mil]  
Sent: Monday, February 06, 2017 7:07 AM  
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>  
Cc: Wayne Miller <Miller.Wayne@azdeq.gov>  
Subject: RE: Williams ST12 technical response -Part 1

Carolyn-

Part 1 came through. I did not receive Part 2. I think my system is limited to 10MB of attachments. That could be the problem. Thanks.

Cathy

//SIGNED//  
CATHY JERRARD, P.E., PMP  
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-----Original Message-----

From: d'Almeida, Carolyn K. [mailto:dAlmeida.Carolyn@epa.gov]  
Sent: Friday, February 03, 2017 1:55 PM  
To: JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW <catherine.jerrard@us.af.mil>  
Cc: DICKEY, ARDIS J CTR USAF AFCEC AFCEC/CIBW <ardis.dickey.ctr@us.af.mil>  
Subject: FW: Williams ST12 technical response -Part 1

Cathy

I just tried to send you this email with attachments and it bounced back. Will try deleting some attachments and breaking the email into 2 parts to see if it will go through. Here is part 1

From: d'Almeida, Carolyn K.  
Sent: Friday, February 03, 2017 10:22 AM  
To: 'JERRARD, CATHERINE V CIV USAF HAF AFCEC/CIBW' <catherine.jerrard@us.af.mil>;  
'ardis.dickey.ctr@us.af.mil' <ardis.dickey.ctr@us.af.mil>  
Cc: Wayne Miller <Miller.Wayne@azdeq.gov>; Davis, Eva <Davis.Eva@epa.gov>; Henning, Loren  
<Henning.Loren@epa.gov>  
Subject: Williams ST12 technical response

Cathy

I was asked to go ahead and send to you this letter providing the technical basis for the joint agency response to Phil's letter so that you will have the scope of the agencies concerns and understand the technical complexity of the problem now to be solved in advance of the letter coming from management. Angeles and Tina will be following with their response once that letter is signed. Hard copies of attached letter and supporting documentation will be coming in the mail. In addition, I have also included comments received from Eva yesterday on the particle tracking model for the containment system so you have a complete package for discussion at the next BCT. I'll leave it to you to forward to the other participants.

Have a good weekend!

Carolyn d'Almeida  
Remedial Project Manager  
Federal Facilities Branch (SFD 8-1)  
US EPA Region 9  
(415) 972-3150

"Because a waste is a terrible thing to mind..."